Designation: NCIB 8455 [DSM 14882]
Deposited Name: Ferrobacillus ferrooxidans
Leathen and Braley
Product Description: Type strain. Formerly Thiobacillus ferrooxidans. Organism used in genome sequencing project.

Medium
ATCC® Medium 2039: Acidithiobacillus ferrooxidans Medium

Growth Conditions
Temperature: 26°C
Atmosphere: Aerobic

Propagation Procedure
1. Incubate test tube cultures under above conditions upon receipt. It is helpful to incubate test tubes in a slanted position to increase gas exchange in broth. Transfer culture to fresh media within one week of arrival.
2. Gently vortex the test-tube to dislodge the iron that has oxidized onto the glass. Aseptically withdraw approximately 1.0 mL of the broth culture and transfer into 5 mL of fresh broth.
3. Incubate the broth either on a shaker or in a static and slanted position.
4. Growth is evident within one week, when yellow-orange iron oxide deposits are observed.
5. Transfer the culture approximately every two weeks.

Notes
The cells are motile and rod-shaped.

References
Additional information on this culture is available on the ATCC® web site at www.atcc.org.

References and other information relating to this product are available online at www.atcc.org.

Biosafety Level: 1

Intended Use
This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain
If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Acidithiobacillus ferrooxidans (ATCC® 23270™)

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Product Sheet

Acidithiobacillus ferrooxidans (ATCC® 23270™)

Please read this FIRST

Storage Temp.
Frozen: -80°C or colder
Freeze-Dried: 2°C to 8°C
Live Culture: See Propagation Section

Biosafety Level
1

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